



ELECTRONIC TUBE REFERENCE

1DP1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Miniature cathode-ray tube with electrostatic focusing and electrostatic deflection, designed for built-in visual monitoring. Its compact one-inch display format suits small instrumentation where a local trace or indication is required.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 215 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray

No fixed ratings recorded.

Values promoted only where clearly published for this section in the approved source.

Miniature electrostatic-focus and electrostatic-deflection cathode-ray tube for built-in visual monitoring.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 National Union

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1938 NATIONAL UNION

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode-Ray tube in a T6% bulb with a	9 in	Published source value; see source line context.
Published value	1 watts	Published source value; see source line context.
Heater voltage (ac or de)....ovviii e,	6.3 v	Published source value; see source line context.
Grid voltage (cut off).....c.iiverierinenennns	-40 v	Published source value; see source line context.
Deflection potential @	0 v	Published source value; see source line context.
AN0e Lo .t e ettt	300 v	Published source value; see source line context.
AN0de	2 v	Published source value; see source line context.
Grid resistor....c.cuiiiuviiniinnninennnnnaronne	2 meg	Published source value; see source line context.
Deflection resistor....uveveeninerneeeieereennns	2 meg	Published source value; see source line context.
Heater voltage (ac or de)..vvvnniiniieeenens	6.3 v	Published source value; see source line context.
Line width.ottt it iinnns	0.25 mm	Published source value; see source line context.
Light output	4 lamberts	Published source value; see source line context.
Grid cutoff voltage..... iiinvennnn,	-40 v	Published source value; see source line context.
A2 voltage. .ot i e it e e,	600 v	Published source value; see source line context.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Al voltage.vverer ittt ittt	150 v	Published source value; see source line context.
Deflection factor m D1-D2	280 in	Published source value; see source line context.
Deflection factor m D3-D4.iviiiinnennnas	280 in	Published source value; see source line context.
Published value	4 ua	Published source value; see source line context.
a deflection signal of about +	110 v	Published source value; see source line context.
'_ and deflected miniature Cathode-Ray tubes in T6	3 in	Published source value; see source line context.
sumption (less than	4 watts	Published source value; see source line context.
i Grid voltage e e e e	-100 v	Published source value; see source line context.
Deflection potential @ccevunnn	400 v	Published source value; see source line context.
Anodeoottt e	300 v	Published source value; see source line context.
Anode	2 v	Published source value; see source line context.
– Grid resistor.....ciiiiiivineiinrneinnainnsen,	2 meg	Published source value; see source line context.
Deflection resistor.....viviieinneneenneenns	2 meg	Published source value; see source line context.
Heater voltage (ac or de)...ouu..ns setetrstacane	6.3 v	Published source value; see source line context.
Line width. ..o iviir i i i et ciniee e	0.25 mm	Published source value; see source line context.
Grid cutoff voltage.....iiviiiinirnrnnsnennnes	-40 v	Published source value; see source line context.
A2 voltage. . oo et iinnnveiinvnvatrnaarnosnnans	600 v	Published source value; see source line context.
Al voltage. o v ienieiinenenninernernionsanennens	150 v	Published source value; see source line context.
Deflection factor ® DI-D2.....ccivrannuersn veve	350 in	Published source value; see source line context.
) Deflection factor = D3-D4..... Ceveesasesunienne	300 in	Published source value; see source line context.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
a deflection signal of about *	110 v	Published source value; see source line context.

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gl to all other elements.....ovvvveennennns	4 uuf	Published source value; see source line context.
K to all other elements.....covvvvnvennsn	2 ppf	Published source value; see source line context.
Heater current.c.iviuneennniieerninsnenenes	215 ma	Published source value; see source line context.
– Cathode current.....c.iiiiiiiiiiiiinnnnnnnnnnnes	1000 v	Published source value; see source line context.
Heater current. . v.eiieiceeneetinasiesancsannonss	215 ma	Published source value; see source line context.

TUBE TINKER

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